

ABSTRACT

[0031] A vehicle steering assembly comprising a vehicle steering system, a wheel assembly including a pivotal wheel hub for supporting a wheel, a knuckle mounted to the hub, and a pivot arm extending outward from the knuckle. The vehicle steering assembly further including a connector rod interconnecting the vehicle steering system and the pivot arm for transmitting linear motion from the vehicle steering system through the connector rod to rotate the wheel assembly. The connector rod including a first end connected to the vehicle steering system, a second end pivotally connected to the pivot arm, and a shaft portion interconnecting the first and second ends. The connector rod further including a first mechanism to allow the connector rod to pivot in a first plane in relation to the vehicle, and a second mechanism to allow the connector rod to pivot in a second plane, approximately orthogonal to the first plane.